

ABSTRACT OF THE DISCLOSURE

An electromagnetically operated device has an electromagnet including a magnetic guide having a movable armature and at least one air gap, a magnetizing coil provided on the magnetic guide, the magnetic guide having at least a part formed as an insert of a magnetically hard material, the magnetic guide having an immovable part formed as a cylinder, the movable armature being provided with a cover of the cylinder, the magnetizing coil being located inside the cylinder coaxially to the latter, a rod extending along an axis of the cylinder, located in an inner hollow of the cylinder, and having a part composed of an electromagnetically soft material, the armature being formed so as to close the magnetic guide with formation of a three dimensional closed structure including the cylinder, the cover, the rod with a possibility of providing a holding force which is equal to a pulling force formed by a winding of the magnetizing coil during a supply of a short-term current pulse to the winding of the magnetizing coil and demagnetization of a material of the rod.